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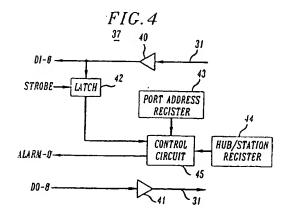
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(S) Intrusion detection apparatus for local area network.

(57) Intrusion detection is afforded for local area networks by including one or more intelligent hub units connected to the stations in the network. The intelligent hub unit maintains a list of codes identifying those stations and units connected locally to ports of the intelligent hub unit. When a station initiates a message on the network, a source identifier code unique to the sending station is incorporated in the message as specified by the standard access protocol. At the intelligent hub unit, the source identifier code is recovered from the received message and the port at which the message was received is id ntified. The received source identifier code is compared with the particular entry in the stored list of codes corresponding to the identified port. If the comparisons fail to generate a matching condition between the source identifier and the particular entry in the list of codes, then the intelligent hub unit generates an alarm indicative of an intrusion on the network.



EUROPEAN SEARCH REPORT

DOCUMENTS CONSIDERED TO BE RELEVANT				EP 91311338.
Category	Citation of document with indication, where appropriate, of relevant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CL.5)
A	PATENT ABSTRACTS OF JAPAN, unexamined applications, E field, vol. 12, no. 489, December 21, 1988 THE PATENT OFFICE JAPANESE GOVERNMENT page 121 E 696; & JP-A-63-204 839 (OMRON TATEISI ELECTRONICS)		1,4	Н 04 L 12/28 Н 04 L 9/32
A	US - A - 4 964 163 (BERRY) * Column 1, lines 3-36 *		1,4	·
D,A	<u>US - A - 4 674 085</u> (ARANGUREN et al.) * Column 4, line 34 - column 9, line 8; figs. 1-5		1,4	
A	page 6, lin		1,4	H 04 L H 04 J
The present search report has been drawn up for all claims			<u> </u>	Examiner
X : partic Y : partic focus	VIENNA VIENNA ATEGORY OF CITED DOCUMENTS mainly relevant if taken alone milarly relevant if combined with another sent of the same category	Date of completion of the search 27-07-1994 T: theory or princip E: earlier patent do after the filling of D: document cited t L: document cited t	ple underlying the cument, but pub- late in the application	IAJOS Lavention lished on, or
O : BOG-7	ological background mitten disclosure nediate document	& : member of the s document	same patent fami	y, corresponding

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